

A List of the Bark and Ambrosia Beetles Injurious to Fruit and Flowering Tree from Korea (Coleoptera: Scolytidae)

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果樹 및 園藝植物을 加害하는 나무좀類 目錄

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INTRODUCTION

The Scolytidae is one of the most destructive insect group in the forest, but also causes serious problems to the fruit and flowering trees. Many scolytids were collected and identified from the fruit and flowering trees during a survey of Korean Scolytids.

Murayama(1929) firstly reported *Xyleborus apicalis* Blandford and *X. saxeseni*(Ratzeburg) from *Malus pumilla* Mill, *Castanea pubinervis* Schneid and *Prunus yedoensis* Matsumura. After that, he(1930) added *Neoptelebius scutulatus*(Blandford), *Scolytus japonicus* Chapuis, *S. seulensis* Murayama and *Xyleborus attenuatus* Blandford from the same kinds of trees. On the other hand, Yoon et al(1982) studied the ecology of *Scolytus seulensis* Murayama, *Xyleborus atratus* Eichhoff, *X. rubricollis* Eichhoff, *X. saxeseni*(Ratzeburg) and *Xylosandrus germanus*(Blandford) which were injurious to plum, chestnut, persimmon and apricot trees.

In this paper, we add six identified species and one unidentified species as scolytid pests of fruit and flowering trees. Three species of them, *Cryphalus malus* Nijjima, *Hypothenomus eruditus* Westwood and *Xylosandrus borealis* Nobuchi are firstly recorded from Korea.

ALPHABETIC CATALOGUE

1. *Cryphalus malus* Nijjima 복숭아나무좀(신칭)
Jour. Coll. Agr. Tohoku Imp. Univ., Sapporo, 3 :
144(1909)
25♀: Jinyang(Gyeongnam) from *Prunus persica*
(L.) Batsch, Nov. 15, 1981.

1♀: Jinju(Gyeongnam) from *Prunus salicina* Lindl,
May 5, 1982.

10♀: Jinju(Gyeongnam) from *Prunus armeniaca*
var. *ansu* Max, Oct. 1, 1982.

4♀: Jinju(Gyeongnam) from *Prunus mume* S. et
Z., Oct. 1, 1982.

5♀: Namweon(Jeonbuk) from *Prunus sargentii*
Rehder, Nov. 7, 1972. Distribution: Korea, Japan

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2. *Hylastes plumbeus* Blandford 소나무검정좀
붙이
Trans. Ent. Soc. London: 57(1984)
1♀: Jinju(Gyeongnam) from *Prunus salicina* Lindl,
Sept. 2, 1982.
Distribution: Korea, Japan, Taiwan, Siberia, Europe
3. *Hypothenemus eruditus* Westwood 감나무좀
(신칭)
Trans. Ent. Soc. London 1(1): 34(1836)
13♀: Hamyang(Gyeongnam) from *Diospyros kaki*
Thunb, Sept. 19, 1982.
24♀: Mogpo(Jeongnam) from *Prunus serrulata* var.
spontanea(max) wils, Sept. 26, 1982.
11♀: Jinju(Gyeongnam) from *Hibiscus syriacus* L.,
Oct. 14 1982.
7♀: Namhae(Gyeongnam) from *Gardenia jasmi-*
noides for. *grandiflora* Makino, Dec. 14, 1982.
Distribution: Korea, Japan, Malaya, Birma Suma-
tra, Indochina, Australia, Europe, All parts of Ame-
rica, Africa, (Cosmopolitan species)
4. *Ips* sp.
9♀: Jinju(Gyeongnam) from *Prunus persica*(L.)
Batsch, Sept. 4, 1982.
5. *Scolytus japonicus* Chapuis 섬나무좀
Ann. Soc. Ent. Belg., 18 : 199(1875)
26♀: Habcheon(Gyeongnam) from *Malus pumila*
var. *dulcissima* Koidz, Aug. 17, 1982.
9♀: Jinju(Gyeongnam) from *Lonicera ruprechtiana*
Regel, Sept. 4, 1982.
Distribution: Korea, Japan, China, Taiwan, Mong-
olia, USSR
6. *Scolytus esulensis* Murayama 서울나무좀
Jour. Chosen Nat. Hist. Soc., 11 : 9-10(1930)
5♀2♂: Jangseong(Jeongnam) from *Prunus salicina*
Lindl, Jul. 25, 1981.
6♀2♂: Naju(Jeongnam) from *Prunus armeniaca*
var. *ansu* Max, Jul. 25, 1981.
20♀5♂: Jinju(Gyeongnam) from *Prunus persica*
(L.) Batsch, Apr. 29 and Sept. 19, 1982.
13♀: Jinju(Gyeongnam) from *Prunus salicina* Lindl,
May 5 and Sept. 2, 1982.
5♀1♂: Jinju(Gyeongnam) from *Prunus tormen-*
tosa Thunb, Aug. 5, 1982.
16♀6♂: Jinju(Gyeongnam) from *Prunus serrulata*
var. *spontanea*(Max) Wils, Sept. 25 and Oct. 14,
1982.
- 8♀3♂: Jinju(Gyeongnam) from *Prunus mume* S.
et Z., Oct. 1, 1982
6♀1♂: Eoryeong(Gyeongnam) from *Prunus per-*
sica(L.) Batsch, Sept. 11, 1982.
4♀1♂: Sancheong(Gyeongnam) from *Prunus arme-*
niaca var. *ansu* Max, Sept. 12, 1982.
Distribution: Korea
7. *Xyleborus rubricollis* Eichhoff 홍목도리나무
좀(붉은목나무좀)
Ann. Soc. Ent. Belg., 18 : 202(1875)
6♀: Gwangju(Jeongnam) from *Diospyros kaki*
Thunb, May 25, 1981.
2♀: Naju(Jeongnam) from *Prunus armeniaca* var.
ansu Max, May 25, 1981.
1♀: Naju(Jeongnam) from *Diospyros kaki* Thunb,
May 25, 1981.
3♀: Hwasun(Jeongnam) from *Castanea crenata* S.
et Z., May 25, 1981.
5♀: Eoryeong(Gyeongnam) from *Cercis chinensis*
Bunge, Sept. 11, 1982.
Distribution: Korea, Japan, Taiwan
8. *Xyleborus saxeseni*(Ratzeburg) 삭세스나무좀
(암브로시아나무좀)
Forstinsekt, 1 : 167(1837)
6♀: Hadong(Gyeongnam) from *Castanea crenata*
S. et Z., Aug. 20, 1981.
7♀: Jinju(Gyeongnam) from *Prunus salicina* Lindl,
May 5, 1982.
1♀: Gwangju(Jeongnam) from *Prunus serrulata*
var. *spontanea*(Max) wils, Sept. 25, 1982.
Distribution: Korea, Japan, Taiwan, China, Phil-
ippines, Siberia, Europe, North America, Canada
9. *Xylosandras borealis* Nobuchi 동백나무좀(신
칭)
Bull. For. & For. Prod. Res. Inst., 314 : 34-35
(1981)
2♀: Gwangneung(Gyeonggi) from *Camellia sa-*
sangua Thunb, Dec. 1, 1981.
Distribution: Korea, Japan
10. *Xylosandrus brevis*(Eichhoff) 좀날개나무좀
(잔날개나무좀 · 반날개나무좀)
Deutsch. Ent. Zeit., 21 : 121(1877)
5♀1♂: Gwangneung(Gyeonggi) from *Camellia sa-*
sangua Thunb, Dec. 3, 1982.
Distribution: Korea, Japan, Thailand
11. *Xylosandrus crassiusculus*(Motschulsky) 전-

나무좀

Bull. Soc. Imp. Nat. Moxcou, 39 : 403(1866)

2♀: Gwangneung(Gyeonggi) from *Sorbus alnifolia*
(S. et Z.) K. Koch, Mar. 25, 1982.

Distribution: Korea, Japan, Taiwan, Malaya, India,
Birma, Singapore, Indo-china, Hongkong, New Gui-
nea, Philippines, U.S.A., Africa

12. *Xylosandrus germanus*(Blandford) 오리나무 무좀

Trans. Ent. Soc. London; 506(1894)

2♀: Seoul from *Prunus serrulata* var. *spontanea*
(Max) Wils, Jul. 5, 1980.

6♀2♂: Gwangneung(Gyeonggi) from *Camellia sa-*
sangua Thunb, Dec. 3, 1981.

3♀: Jinju(Gyeongnam) from *Prunus salicina* Lindl,
May 5, 1982.

Distribution: Korea, Japan, Taiwan, China, Viet-
nam, U.S.A., Central Europe

적 요

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위해 1980-82년간 기주식물별로 분포상태를 조사하였
으며 동정된 6종, 미동정 1종을 정리하였고 이들중
Cryphalus malus Nijima, *Hypothenemus eruditus* We-
stwood와 *Xylosandrus borealis* Nobuchi 등 3종은 우
리나라 미기록종이었다.

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Ipiniae avec la description d'une nouvelle espec.
Journ. Chosen Nat. Hist. Soc., 9 : 22-31.
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Soc. 11 : 6-38.
3. 尹柱敬·金奎眞·千勝珠·金容碩 1982. 자두와 살
구나무에 寄生하는 나무좀의 生態에 關한 研究,
韓植保護誌 21(2) : 78~86.